

# iQ-LED

## Kanlux

ul. Objazdowa 1-3, 41-922 Radzionków, Poland

### 27318 IQ-LED ES-111 12W-WW

LED light source

5905339273185



IQ-LED ES-111 12W



Kanlux iQ-LED ES-111 are modern LED light sources, which are characterized by a very high color rendering index  $Ra > 97$ . The product has a lifetime of 45,000 hours, which allows us to provide a 5-year warranty on these sources. Additionally, Kanlux iQ-LED ES-111 sources can cooperate with dimmers.

#### TYPE OF LIGHT SOURCE:

**Lighting technology used:** LED  
**Non-directional or directional light source :** DLS  
**Mains or non-mains light source :** MLS  
**Connected light source (CLS):** no  
**Colour-tuneable light source:** no  
**High luminance light source:** no  
**Anti-glare shield:** no  
**Dimmable:** only with specific dimmers

#### PRODUCT PARAMETERS:

**Lamp designed for dimming:** yes  
**Compatible with a dimmer:** yes  
**Width [mm]:** 111  
**Height [mm]:** 78  
**Depth [mm]:** 78  
**Diameter [mm]:** 111  
**Rated voltage [V]:** 220-240 AC  
**Rated frequency [Hz]:** 50  
**Lamp rated current [mA]:** 53  
**Total rated luminous flux [lm]:** 950  
**Rated beam angle [°]:** 40  
**Lampshade material:** plastic  
**Light source:** ES-111  
**Diode type:** LED SMD  
**Colour temperature:** Warm white  
**Cap:** GU10  
**Rated lamp-service life [h]:** 45000  
**Number of on/off cycles:**  $\geq 40000$   
**Light source shape:** spot  
**Additional information:** Light source (LS)

Date of issue: 08.02.2024, 16:34

We reserve the right to make technical changes. The data contained in this material are not legally binding.

Photometry: the results obtained from testing were from a specific sample.

EN

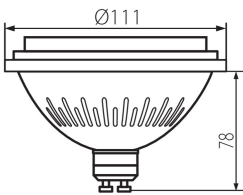
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**Mercury content:** no

#### PARAMETERS FOR DIRECTIONAL LIGHT SOURCES:

**Peak luminous intensity [cd]:** 1370

**Beam angle [°]:** 40

#### PARAMETERS FOR LED AND OLED LIGHT SOURCES:

**Energy consumption in on-mode of the light source (kWh/1000h):** 12

**Energy efficiency class:** G

**Useful luminous flux of the light source  $\Phi_{use}$  [lm]:** 800

**Useful luminous flux of the light source  $\Phi_{use}$  [lm]:** in narrow cone (90°)

**Correlated colour temperature [K]:** 2700

**Colour consistency in McAdam ellipses:**  $\leq 4$

**On-mode power of the light source  $P_{on}$  [W]:** 12

**Height of the light source [mm]:** 78

**Width of the light source [mm]:** 111

**Depth of the light source [mm]:** 111

**Colour rendering index:** 97

**Chromaticity coordinates (x):** 0.458

**Chromaticity coordinates (y):** 0.41

**Claim of equivalent power [W]:** 84

**R9 colour rendering index value:** 94

**Survival factor:**  $\geq 0.9$

**The lumen maintenance factor:** 0.96

#### PARAMETERS FOR LED AND OLED MAINS LIGHT SOURCES:

**Displacement factor (cos  $\phi$ 1):** 0.9

**LED light source replaces a fluorescent light source without integrated ballast of a particular wattage:** Not applicable

**Flicker metric (Pst LM):** 1,0

**Stroboscopic effect metric (SVM):** 0.4

#### LOGISTIC DATA:

**Unit of measurement:** unit

**Packaging method:** 20

**Number of units in the secondary packaging:** 1

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**27318 IQ-LED ES-111 12W-WW**

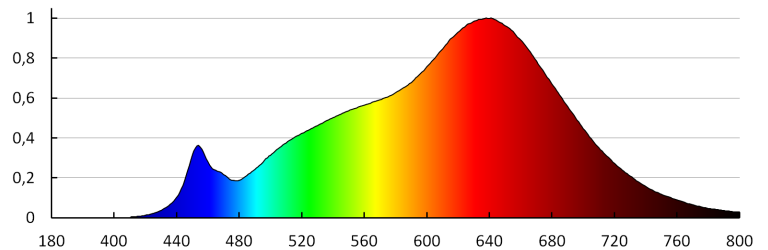
## LED light source



**Number of units in the packaging :** 20  
**Net unit weight [g] :** 154  
**Grammage [g] :** 227  
**Gross unit weight [g] :** 202  
**Length of a unit pack [cm] :** 11.5  
**Width of a unit pack [cm] :** 8.5  
**Height of a unit pack [cm] :** 11.5  
**Weight of a cardboard box [kg] :** 4.54  
**Width of a cardboard box [cm] :** 25.5  
**Height of a cardboard box [cm] :** 26.5  
**Length of a cardboard box [cm] :** 44.5  
**Volume of a cardboard box [m<sup>3</sup>] :** 0.030071

**ADDITIONAL INFORMATION:**

- 5 years Warranty under the terms of the warranty statement, available on our website



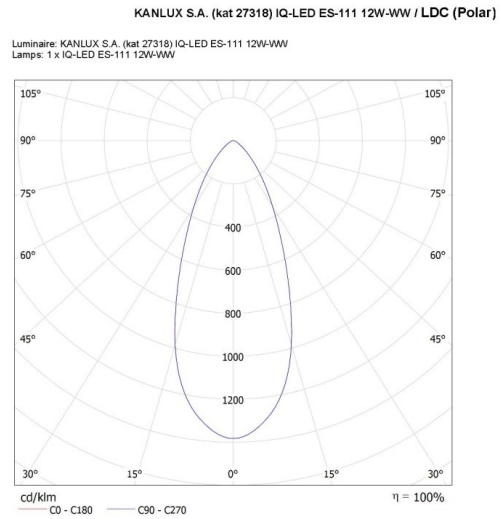


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